

WELCOME



Proposed Airborne Toxic Control Measure to Limit Commercial Diesel-Fueled Motor Vehicle Idling

Public Workshop
May 21, 2004

Air Resources Board 
California Environmental Protection Agency

Agenda

- Vehicle Inventory
- Proposed ATCM
- Emissions Benefits
- Timing
- Discussion



Vehicle Inventory / Emissions EMFAC2002 v2.2

Affected Vehicles per Day

| | |
|--------------------|---------|
| | 2005 |
| Heavy Heavy-Duty | 179,838 |
| Medium Heavy-Duty | 177,598 |
| Light Heavy-Duty-2 | 36,263 |
| Buses | 15,562 |
| Total | 409,261 |

Emissions

PM: ~440 Tons / Year
NOx: ~20,500 Tons / Year

Draft ATCM



Applicability

- All commercial diesel-fueled vehicles operating in California with GVWR > 10,000 lbs
- Will also apply to out-of-state and out-of-country vehicles when operating in California

Draft ATCM Cont.

- Vehicle shall not idle longer than 5 minutes at any location
- Buses (except school buses)
 - Subject to 5 minute idling limit when there are no passengers on board
 - May idle up to 10 minutes prior to passenger boarding
 - No idling restrictions when passengers are on board

Draft ATCM Cont.

- Within 100 feet of any “restricted area”
 - All idling restrictions apply
 - No queuing
 - No implementation delay for sleepers
- **Restricted Area:** any location zoned as residential, planned community, neighborhood-commercial or by a similar identifier that results in the planning area designated in whole or in part for individual or multifamily housing according to any local planning authority.

Draft ATCM Cont.

- **Sleepers:**

- Idling restrictions during rest periods become effective Jan 1, 2009
- Alternatives to provide power to sleeper berth currently available

Draft ATCM Cont. ISSUES

- **Emission Benefit?**

- 2007 and later main engine -vs- APS
 - Tier II APS (05-07) PM emission rate ~ 2.5 gram/hr
 - Tier IV APS (08 +) PM emission rate ~ 1.3 gram/hr
 - 2007 + main engine PM emission rate ~.28 gram/hr
 - APS potentially up to 10 times higher than main engine during idle
- After 2010 - NOx benefit?
 - APS (05 +) NOx emission rate ~ 29 gram/hr
 - 07 - 09 main engine NOx emission rate ~165 gram/hr
 - 2010+ main engine NOx emission rate at idle ???

Draft ATCM Cont. ISSUES

- **Possible Solutions:**

- Additional PM requirements for APS units
- Extended idling standard for trucks

- **Will recommend the Board direct staff to investigate and if necessary, come back with proposals in future**

Draft ATCM Cont Changes.

- No Specified Training, Record Keeping or Reporting Requirements
- Minimum Civil penalty - \$100
- Deleted definitions: commercial vehicle, diesel-fueled, and heavy-duty
- Added definitions: commercial motor vehicles, motor truck, and restricted area.

Scheduled Board Date

- 45 day Public Notice: June 4, 2004
– Staff Report Available
- Board Date: July 22-23, 2004



THANK YOU FOR PARTICIPATING!

- Please Visit Our Website:
- Join our listserve for email updates
- Contact information



<http://www.arb.ca.gov/toxics/idling/idling.htm>
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